

Xerox LDX Scanner and Printer



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High speed, high capacity
facsimile equipment for
today's transmission
facilities



Whatever your requirements for the rapid, accurate transmission of graphic as well as written material—sketches, drawings, forms, charts, and typed, printed and handwritten documents—the Xerox LDX scanner and printer are ideally suited to modern broadband communications channels.

The ability of xerography as used in LDX equipment to convert light and electricity into permanent images of high quality, in seconds, on any paper, overcomes the severe limitations in capacity and facsimile quality inherent in conventional facsimile systems.

Specifications

Transmits up to 16 8½x11 documents per minute (9½x42 in max., 4x5 in min.) regardless of the distance covered. Copy quality is comparable to that produced by Xerox 914 and 813 office copiers. Copies made on paper roll stock or offset master stock. Images are sharp black-on-white, and copies are dry, ready for immediate use, non-fading. Exposure adjustment not necessary; copies all colors and inks. Blueprints can be transmitted by reversing polarity of scanner with a convenient switch.

Dimensions	Scanner	Printer
Height (in.)	42.5	55
Width (in.)	24	26
Depth (in.)	45.5	32.5
Weight (lbs.)	425	650
Power (VAC)	115	115
Environment Temperature (°F) .	50-100	60-95

Scanner

Ready Indicator—
lights when scanner
is ready to transmit
and printer is ready
to receive

Standby Indicator—
lights when scanner is in
its preliminary warm-up
cycle or when printer
cannot receive

Document Feed—
originals to be
transmitted are
inserted here

On button

Off button

Document tray—
originals fed to
scanner conveyor
are returned here

Printer

Indicator Panel Door—the
indicator panel shows the
operating condition of the
printer.

Standby—lights during
preliminary warm-up and
check-out cycle, or when
scanner cannot transmit

Ready Indicator—lights
when printer is ready to
copy and scanner is ready
to transmit

On button

Off button

Copy Guide—copies
emerge here

LDX Systems

LDX is a practical system for use over relatively short distances such as within a single building or between buildings on the same site, as well as across the width of a continent. Where desirable, a single LDX scanner can transmit to several printers or, conversely, many scanners can be linked to one printer. An LDX network easily can be designed to suit your own graphic communications needs.

Operation

Operation of the LDX scanner is fast and simple: just insert the original document in the feed slot and in a few seconds the original is returned. No exposure adjustment is necessary. Documents can be fed continuously for maximum volume.

LDX Transmission Facilities

LDX scanners and printers can be linked by broadband coaxial cable and microwave channels of the common carrier services, or by private broadband media. The type of transmission used for any system depends on (1) the volume of documents to be sent, (2) speed and resolution requirements, and (3) the distance to be covered. Your local telephone and telegraph companies will be glad to help you select the transmission medium best for your own requirements. All broadband facilities are available in full Duplex arrangements permitting simultaneous transmission between pairs of scanners and printers through the same transmission link.

For More Information...

A call or letter to the LDX Equipment Sales Division of Xerox Corporation will bring you detailed information about the LDX system and the Xerox LDX scanner and printer.

LDX







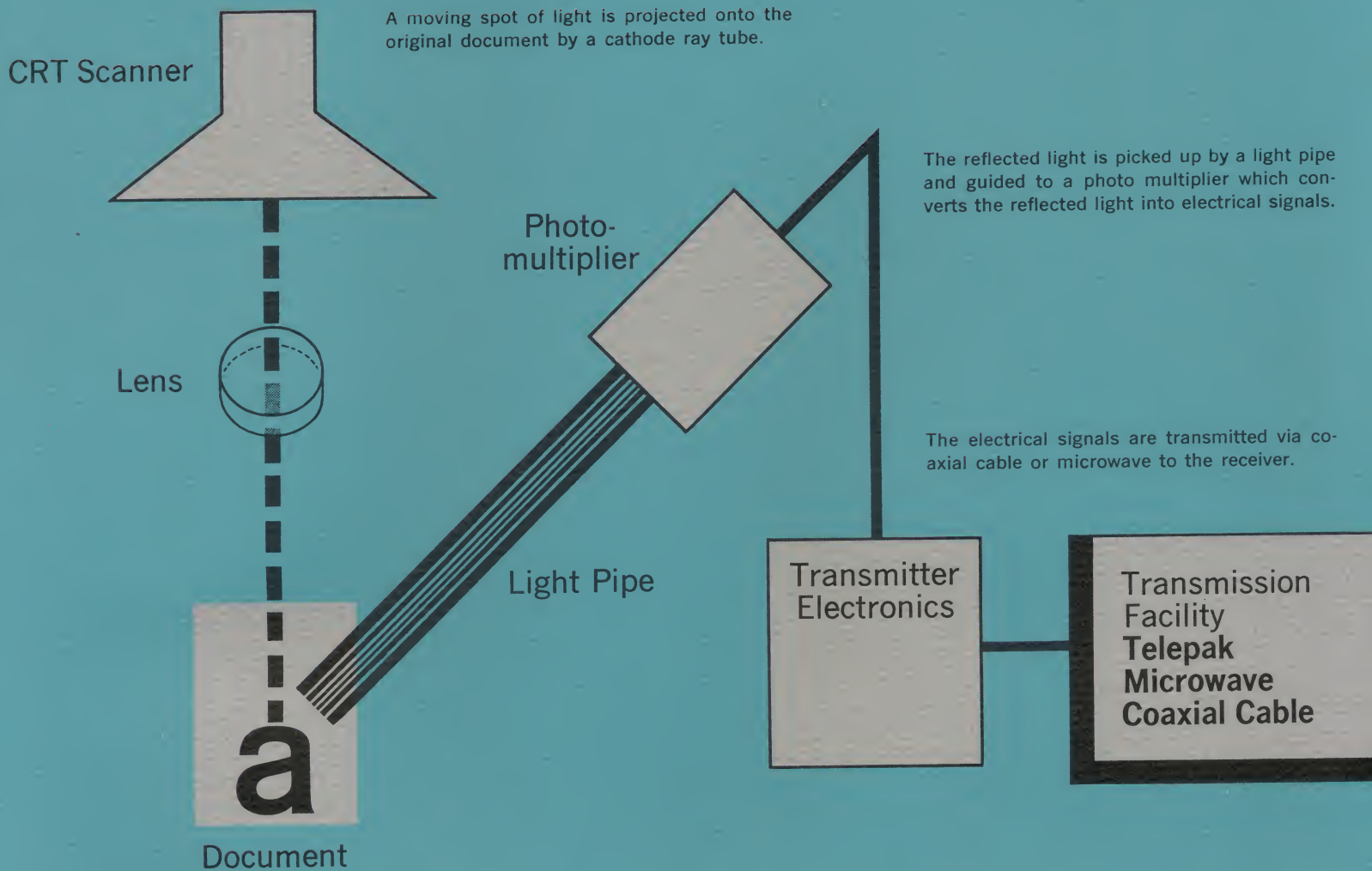
Xerox LDX Scanner



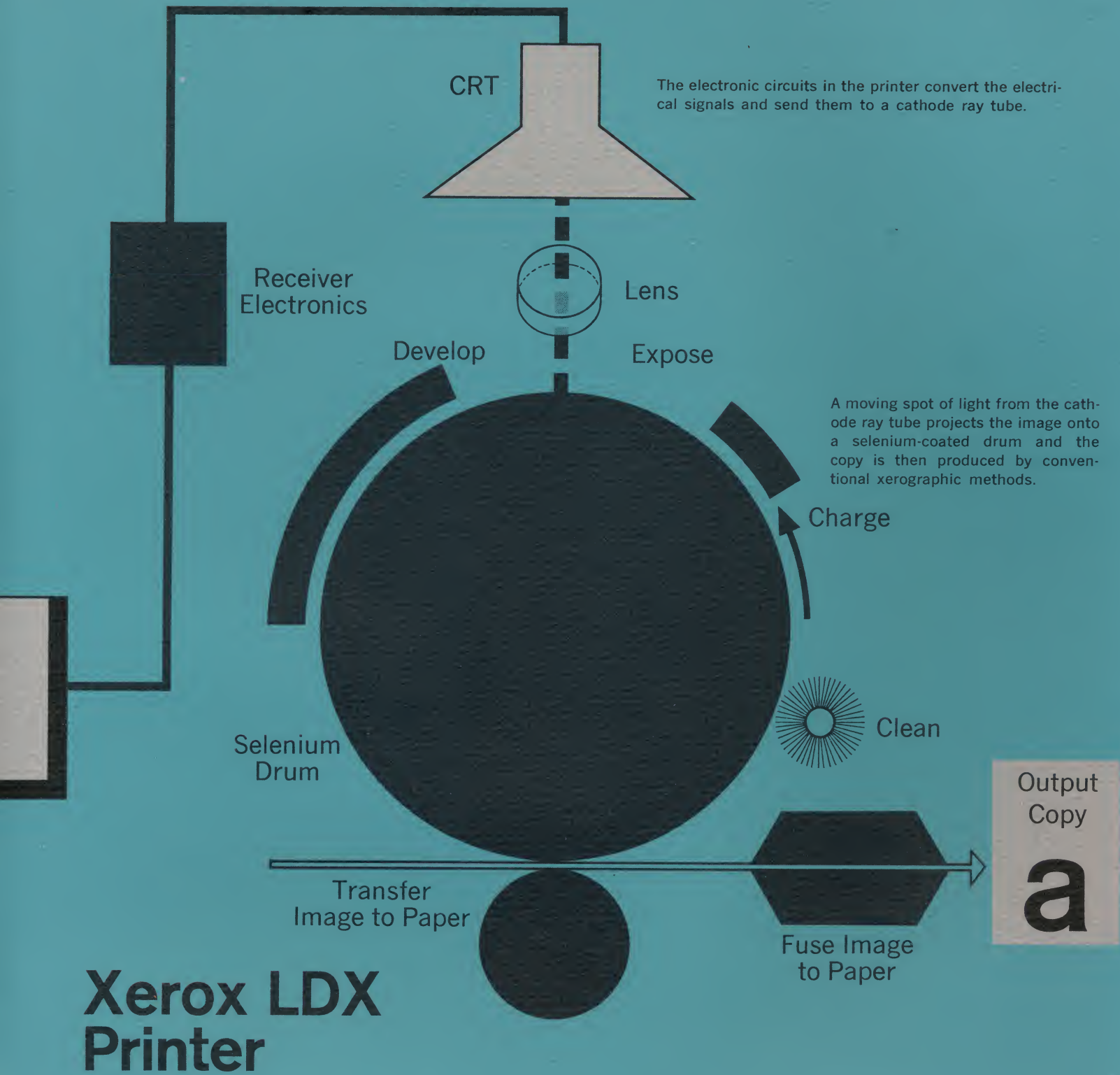
Xerox LDX Printer



**a
new
communications
system
from
Xerox**



Xerox LDX Scanner



Transmission Facilities

The several broadband transmission facilities available for use with LDX can be divided into two general classes: common carrier services and private systems.

Common Carrier Services

These services are installed and maintained by the various telephone and telegraph companies. Common carrier systems are available in the 48 kc or in the high-capacity 240 kc channels; choice of channel depends on the volume of documents to be sent, speed and resolution requirements, and the distance to be covered by the LDX system. Your local telephone and telegraph companies will be glad to work with you in selecting the best type of transmission for your use.

Private Systems

These are private microwave and coaxial cable systems, and provide sufficient capacity for high-speed, high-volume LDX use as well as for other communications systems. Microwave is used principally where the transmission distance is great, document volume large, or where it is impractical or costly to obtain a right-of-way for coaxial cable. Coaxial cable is ideal for short transmission distances, for intra- and inter-building systems, and where private right-of-way is available.

All these broadband facilities are available in full Duplex arrangements which permits simultaneous transmission in both directions, such as between two pairs of scanners and printers. A data set or modem set, which adapts the LDX signal to the particular transmission system selected, is used with LDX equipment.

**LDX
offers
these
advantages—**

**LDX
is fast,
accurate,
versatile,
simple
to use,
low in cost.**

fast

You can send up to sixteen 8½ x 11 documents per minute or 7900 8½ x 11 documents per 8-hour day on an LDX system. No transcribing of information is required; the operator simply inserts the material to be transmitted in the scanner. LDX is 50 times faster than voice circuits conventionally used for facsimile transmission.

accurate

Whatever the original documents fed to the scanner — letters, forms, drawings, blueprints, sketches, charts — the copy produced by the printer is a faithful, legible one. The LDX scanner senses and transmits all colors, and facsimiles are the same size as the original document. The quality of copies produced is comparable to those made by the well-known Xerox 914 and 813 office copiers.

versatile

LDX is a practical system for use over relatively short distances such as within a single building or between adjoining buildings, or over the width of a continent. Where desirable, a single scanner can transmit to several printers or, conversely, many scanning stations can send to a single printer. An LDX network can easily be designed to suit your own communications needs, document volume, and available transmission channels. There is practically no limit to the networks which can be formed with LDX equipment and the various transmission alternatives.

simple to use

Transmitting a document is as easy as making a xerocopy: just insert the original document in the scanner and in a few seconds the original is returned. No exposure adjustment is necessary. Documents can be continuously fed for maximum volume.

low in cost

Because of the tremendous savings in time possible with LDX, the cost of volume LDX facsimile transmission is significantly lower than any other form or method of graphic transmission and in many instances, even mail or messenger. Moreover, the foolproof accuracy of LDX eliminates the chance of misquoted or miscopied information. What you send is what's received. In addition, the LDX printer needs no special sensitized paper; ordinary commercial stock is perfect. Copies can also be made on offset master stock, ready for the press. Blueprints can be made by reversing the polarity of the output signal from the scanner.

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Typical LDX Applications

Intra-Building

Here, purchase requisitions from outlying offices on different floors of the building are received on the printer in the central purchasing office where purchase orders are typed and mailed. Use of the LDX equipment avoids loss of the original requisition from the originating office as well as saving time in placing orders.

Intra-Plant

In this installation a single scanner is used to send production orders and engineering drawings to various shops on a manufacturing plant site. The LDX eliminates the necessity of typing copies with the possibility of transcription errors. All shop offices receive their orders at the same time.

Regional

Used by an automobile manufacturer, an LDX system permits instantaneous sending of assembly orders to several regional supplying plants. In this way, the flow of materials toward final assembly can be started earlier and programmed more efficiently than is possible with mail-sent or messenger-delivered orders. Furthermore, the original orders are available in one location for reference or filing. This manufacturer also uses the LDX system to receive daily accounting data from the supplying plants.

Long-Distance

A major textile maker uses LDX to send quotations, production orders, and other forms from its main office more than 200 miles to its mills. LDX in this company saves days of time, provides sufficient copies for every office concerned, yet retains the original in a central file where it can be quickly located.

Railroad freight car movements formerly were posted on train consists sent by company mail or teletype to the destination point of the train. However, the arrival of the mail was frequently hours behind the arrival of the cars, thus delaying yard operations and eventual arrival of a car on the consignee's siding. With the LDX system installed, consists arrive well ahead of the train (and at stations en route as well), only a few minutes after they have been compiled and checked.

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43738

SPRINT IN TRAVEL

WIRELESS

Speed/resolution ratios

Scanning Lines Per Inch (LPI)	8 ½ x 11 Documents Per Minute	
	48 kc ¹	240 kc ²
135	1.7	8.7
190	0.9	4.3

¹48 kc includes TELPAK A

²240 kc includes TELPAK C, and private microwave and coaxial cable systems

NOTE: The speed resolution is set at the Xerox factory according to your requirements.

LDX

System capacities

Transmission Channel	LPI	8 ½ x 11 Documents Per			8 ½ x 11 Documents Per Month When Operated For . . .				
		Min.	Hour	Day	8 hr./day	6 hr./day	3 hr./day	2 hr./day	1 hr./day
48 kc ¹	135	1.7	104	830	18200	1370	6820	4650	2330
	190	0.9	54	435	9300	6950	3390	2330	1160
240 kc ²	135	8.7	510	4080	87800	65900	32900	22000	10900
	190	4.3	258	2060	44400	31900	16700	11100	5500

¹48 kc includes TELPAK A

²240 kc includes TELPAK C, and private microwave and coaxial cable systems

Sales and Service

Xerox Corporation, world leader in graphic communications and xerographic copying equipment, has a field force of over 1,200 sales and service personnel operating out of 38 branch offices in the continental U. S., Hawaii and Puerto Rico. Xerox of Canada, Ltd. maintains 13 offices in principal business centers across the Dominion. Our European affiliate, Rank-Xerox, serves customers in the United Kingdom and in Western Europe. In 1962, Fuji-Xerox was formed to produce and service Xerox equipment in the Far East and has its headquarters in Tokyo. Xerox has thus become a worldwide corporation serving the communication interests of thousands of businesses and industries in nearly every area of the free world. A trained Xerox representative is always within convenient distance of your office or plant.

You are invited to find out how a Xerox LDX system can serve your company with more efficient, more rapid and less costly graphic communications. **A call or letter to the LDX Equipment Sales Division of Xerox Corporation, Midtown Tower, Rochester, New York, will bring you the information you need.**

914[®] and 813* Copiers

1824[®] Printers

Copyflo[®] Continuous Printers

Xerographic Master-Making equipment

Photo-copying equipment

Xerographic supplies



Printed in U.S.A. X-382

Specifications



Xerox LDX Scanner

Input Documents

9½" x 42" max. size

4" x 5" min. size

Accepts variations in image and background

Feed System

Manual conveyor feed

Automatic feed (optional)

Accepts creased, torn and dog-eared sheets

Scanning

Cathode-ray tube, optics, photo-multiplier and electronic circuits

Power

115 volts, single phase (conventional circuit)

Environment

Temperature: 50° to 100°F

Relative Humidity: to 90%

Elevation: to 5500 ft. above sea level

Size

42.5 inches high

45.5 inches deep

24 inches wide

Floor Space: 7.6 sq. feet

Weight: 425 lbs.



Xerox LDX Printer

Output Documents

8½" wide by any length
Ordinary paper in continuous roll or cut sheet form
Offset Paper Masters
Automatic cutter (optional)

Paper Supply

2000 foot roll
Automatic reload light
Automatic shut-down

Printing

Cathode-ray tube, optics, xerographic drum and
electronic circuits

Power

115 volts, single phase (conventional circuit)

Environment

Temperature: 60° to 95°F
Relative Humidity: 15% to 85%
Elevation: to 5500 ft. above sea level

Size

55 inches high	32.5 inches deep
26 inches wide	Floor Space: 5.9 sq. feet
Weight: 650 lbs.	

Xerox Corporation
Rochester, New York 14603

XEROX



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Off button

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August 17, 1964

Mr. Theodor H. Nelson, Instructor
Vassar College
Poughkeepsie, New York 12603

Dear Mr. Nelson:

Thank you for your recent request for information concerning LDX, or Long Distance Xerography.

We are enclosing for you a new brochure which describes Xerox LDX equipment in detail as well as the necessary transmission facilities. We hope this brochure will answer your questions.

Because of the great flexibility of LDX systems as to distance covered, transmission media, and document volume, each LDX system is "tailored" to the user's own needs. The Xerox LDX specialists here in Rochester are at your service to help you design an LDX system that is best suited to your needs, both present and anticipated, and they will be happy to work with you. Feel free to write or call us anytime.

Thank you again for your interest in Xerox LDX. We hope we can be of service to you soon again.

Cordially,

A handwritten signature in cursive script, reading "William A. Taylor".

William A. Taylor
Manager of LDX Sales

WAT:cr
Enclosure